

Recombinant Human Rap Guanine Nucleotide Exchange Factor (GEF) 4

Cat. No. RAPGEF4-2637H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Rap Guanine Nucleotide Exchange Factor (GEF) 4 is expressed in <i>E. coli</i> .
Species	Human
Source	E.coli
Description	Rap guanine nucleotide exchange factor (GEF) 4 (RAPGEF4), also known as exchange protein directly activated by cAMP 2 (EPAC2), is a protein which in humans is encoded by the RAPGEF4 gene.
Form	Liquid.
Formulation	In 150 mM NaCl, 10 mM Tris, 0.1% NP-40, pH 8.3.
Biological Activity	EC50 of cAMP binding: $\leq 1.5 \mu\text{M}$.
Storage	+2°C to +8°C. Ship: Dry Ice Only.

GENE INFORMATION

Gene Name	RAPGEF4 Rap guanine nucleotide exchange factor (GEF) 4 [Homo sapiens]
Synonyms	RAPGEF4; Rap guanine nucleotide exchange factor (GEF) 4; EPAC 2;

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OTTHUMP00000205058; RAP guanine-nucleotide-exchange factor (GEF) 4; cAMP-regulated guanine nucleotide exchange factor II; exchange factor directly activated by cAMP 2; exchange protein directly activated by cAMP 2; putative protein product of Nbla00496; rap guanine nucleotide exchange factor 4; CGEF2; EPAC2; Nbla00496; CAMP-GEFII

Gene ID	11069
mRNA Refseq	NM_001100397
Protein Refseq	NP_001093867
MIM	606058
UniProt ID	Q8WZA2
Chromosome Location	2q31-q32
Pathway	Leukocyte transendothelial migration; Diabetes pathways; Integration of energy metabolism; Integrin cell surface interactions
Function	Ras GTPase binding; Ras guanyl-nucleotide exchange factor activity; cAMP binding; cAMP-dependent protein kinase regulator activity; guanyl-nucleotide exchange factor activity; nucleotide binding; protein binding